BRUHAT BANAGLORE MAHANAGARA PALIKE

Yelahanka Satellite Town Sub Division

EXTRA ITEM RATE LIST

Name of the work : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappa Nagara Colony in Ward No.05

Agency: Sri. K Dileep Kumar No. 38, 5th cross, Suncity layout, 7th Phase, J P Nagar, Bangalore-78

Sl No	Item Of Work	Unit	Estimate qty	Rate	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E1	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	1245.62	126.93	158101.00	Additonal Item	No	Savings in Estimate	Yes	
	TOTAL EIRL AMOUNT				158101.00					
	AMOUNT IN WORDS	Rupees One lakh Fifty Eight Thousand One Hundred One Only								

PERCENTAGE OF EXCESS OVER AMOUNT PUT TO TENDER

$$\frac{\text{EIRL Amount}}{\text{Approved Tender Price}} = \frac{158101.00}{43950207.00} \times 100 = 0.36\ \%$$

'EIRL Approved'

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Asst Engineer

Asst Executive Engineer

Executive Engineer

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WORK SLIP RATE ANALYSIS

NAME OF WORK: Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappa Nagara Colony in Ward No.05

Approved Amount	**43950207.00**
Name of Contractor:-	**Sri. K Dileep Kumar No. 38, 5th cross, Suncity layout, 7th Phase, J P Nagar, Bangalore-78**
Tender premium:-	**+4.95% (Above)**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+)2.99%	Final Rate.
15	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications	Sqm	Pg No.147 of KPWD S.R 2018-19	19.64	6.00	0	6.00	0.36	6.36	0.31	6.67
17	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	Pg No.155 of KPWD S.R 2018-19	20.18	1888.00	0	1888.00	113.28	2001.28	99.06	2100.34
18	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.	Sqm	Pg No.158 of KPWD S.R 2018-19	21.1	21.00	0	21.00	1.26	22.26	1.10	23.36

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19	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications	Cum	Pg No.158 of KPWD S.R 2018-19	21.60	32.00	0	32.00	1.92	33.92	1.68	35.60
20	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications	Sqm	Pg No.160 of KPWD S.R 2018-19	21.17.6	6880.00	0	6880.00	412.8	7292.80	360.99	7653.79
21	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.	Cum	Pg No.158 of KPWD S.R 2018-19	21.20	5.00	0	5.00	0.3	5.30	0.26	5.56
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications	Sqm	Pg No.158 of KPWD S.R 2018-19	21.7	12.00	0	12.00	0.72	12.72	0.63	13.35
23	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.	Cum	Pg No.171 of KPWD S.R 2018-19	21.78.12	8061.00	0	8061.00	483.66	8544.66	422.96	8967.62

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24	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	Pg No.182 of KPWD S.R 2018-19	24.15	429.00	0	429.00	25.34	454.34	22.50	497.25

Asst Engineer

Asst Executive Engineer

Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

EIRL RATE ANALYSIS

NAME OF WORK: Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and

Estimate Amount:-	**Rs 500.00 LAKHS**
Approved Amount	**43950207.00**
Name of Contractor:-	**Sri. K Dileep Kumar No. 38, 5th cross, Suncity layout, 7th Phase, J P Nagar, Bangalore-78**
Tender premium:-	**+4.95% (Above)**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+)4.95 %	Final Rate.
E1	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	Pg No.143 of KPWD S.R 2018-19	19.14	41.00	77.48	118.48	2.46	120.94	5.99	126.93

Asst Engineer

Asst Executive Engineer

Executive Engineer

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BYATARAYANAPURA DIVISION

Work Slip: As per Std Tender Documents

Name of Work:	**Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappa Nagara Colony in Ward No.05**
Estimate Amount:-	**Rs 500.00 LAKHS**
Name of Contractor:-	**Sri. K Dileep Kumar No. 38, 5th cross, Suncity layout, 7th Phase, J P Nagar, Bangalore-78**
Approved amount:-	**43950207.00**
Tender premium:-	**+4.95% (Above)**

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. upto 125%			Qty. above 125%			Total Amount	excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
14	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications	Sqm	3251.40	43.39	141079	3535.77	3535.77	43.39	153418	0.00	0.00	0	153418.00	12339.00		
15	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications	Sqm	3251.40	6.67	21687	6210.77	4064.25	6.67	27109	2146.52	6.67	14328	41437.00	19750.00		
16	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	365.31	2093.67	764839	401.25	401.25	2093.67	840086	0.00	0.00	0	840086.00	75247.00		
17	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	560.14	2100.34	1176485	1604.09	700.18	2100.34	1470606	903.92	2100.34	1898539	3369145.00	2192660.00		
18	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.	Sqm	2435.40	23.36	56891	4273.09	3044.25	23.36	71114	1228.84	23.36	28709	99823.00	42932.00		
19	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications	Sqm	2435.40	31.15	75863	5209.34	3044.25	31.15	94829	2165.09	35.60	77076	171905.00	96042.00		

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20	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.	Cum	121.77	6724.88	818889	260.47	152.21	6724.88	1023611	108.25	7653.79	828559	1852170.00	1033281.00		
21	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.	Sqm	2435.40	5.56	13541	8015.22	3044.25	5.56	16927	4970.97	5.56	27651	44578.00	31037.00		
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications	SQm	2435.40	13.35	32513	10492.67	3044.25	13.35	40641	7448.42	13.35	99434	140075.00	107562.00		
23	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.	Cum	97.42	7910.77	770668	419.71	121.78	7910.77	963335	297.93	8967.62	2671741	3635076.00	2864408.00		
24	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	74.25	477.25	35436	310.24	92.81	477.25	44295	217.43	477.25	103768	148063.00	112627.00		
	Grand total				3907891.00				4745971.00			5749805.00	10495776.00	6587885.00	0.00	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Approved Tender Price x 100

(6587885/43950207)x100 = 14.99%

Workslip Amount Rs.6587885/-
Percentage of Workslip 14.99%

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

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